

PATENT ATTORNEY DOCKET NO. 46884-5520

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Takeshi SAKAMOTO et al.) Confirmation No.: 1891
Application No.: 10/594,949) Group Art Unit: 2828
Filed: September 29, 2006) Examiner: To Be Assigned
For: LASER PROCESSING METHOD AND SEMICONDUCTOR CHIP))
Commissioner for Patents	
U.S. Patent and Trademark Office	
Customer Window	
Alexandria, VA 22314	

Sir:

SUBMISSION OF INTERNATIONAL PRELIMINARY EXAMINATION REPORT

Applicants bring to the attention of the Examiner the attached document.

Attached is an English-language translation of an International Preliminary Examination Report ("IPER"), including PCT/IB/373 and English translation of PCT/ISA/237, dated October 26, 2006 that issued in a related PCT/JP2005/005552 application. Applicants respectfully request that the Examiner consider the IPER as it relates to the above-identified application.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that the listed document is material or constitute "prior art." If it should be determined that the listed document does not constitute "prior art" under United States law, Applicants reserve the right to present to the office the relevant facts and law regarding the appropriate status of such document.

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Application No.: 10/594,949

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Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

EXCEPT for issue fees payable under 37 C.F.R. § 1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. § 1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account No. 50-0573. This paragraph is intended to be a CONSTRUCTIVE PETITION FOR EXTENSION OF TIME in accordance with 37 C.F.R. § 1.136(a)(3).

Respectfully submitted,

DRINKER, BIDDLE & REATH LLP

Dated: January 23, 2007

By:

Registration No. 33,818

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From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF TRANSMITTAL
OF COPIES OF TRANSLATION
OF THE INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY
(CHAPTER I OR CHAPTER II
OF THE PATENT COOPERATION TREATY)

(PCT Rules 44bis.3(c) and 72.2)

To:

HASEGAWA, Yoshiki SOEI PATENT AND LAW FIRM Ginza First Bldg. 10-6, Ginza 1-chome Chuo-ku, Tokyo 104-0061 JAPON

Date of mailing (day/month/year) 26 October 2006 (26.10.2006)		
Applicant's or agent's file reference FP05-0013-00	IMPORTANT NOTIFICATION	
International application No. PCT/JP2005/005552	International filing date (day/month/year) 25 March 2005 (25.03.2005)	
Applicant	HAMAMATSU PHOTONICS K.K. et al	/FD>

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1. Transmittal of the translation to the applicant.

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter I).

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

2. Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

None

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EG, EP, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

Masashi Honda

BEST AVAILABLE COPY

Facsimile No. +41 22 338 82 70

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference FP05-0013-00	FOR FURTHER ACTION	See item 4 below			
International application No. PCT/JP2005/005552	International filing date (day/month/year) 25 March 2005 (25.03.2005)	Priority date (day/month/year) 30 March 2004 (30.03.2004)			
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237					
Applicant HAMAMATSU PHOTONICS K.K.			·		

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).			
2.	This REPORT consists of a total of 4 sheets, including this cover sheet.			
	In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.			
3.	This report contains indications	relating to the following items	s:	
	Box No. I	Basis of the report		
•	Box No. II	Priority		
	Box No. III	Non-establishment of opin applicability	ion with regard to novelty, inventive step and industrial	
	Box No. IV	Lack of unity of invention		
	Box No. V	Reasoned statement under applicability; citations and	Article 35(2) with regard to novelty, inventive step or industrial explanations supporting such statement	
	Box No. VI	Certain documents cited		
	Box No. VII	Certain defects in the inter	national application	
	Box No. VIII Certain observations on the international application			
4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).				
Date of issuance of this report 19 October 2006 (19.10.2006)				
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland		ombettes	Authorized officer Masashi Honda	
Facsimile No. +41 22 338 82 70 e-mail: pt08@wipo.int			e-mail: pt08@wipo.int	
7 T	CT/ID /272 (Innue 2004)			

Form PCT/IB/373 (January 2004)

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHOR	ITY	ANC.		
То:			PCT PCT	
			RITTEN OPINION OF THE IONAL SEARCHING AUTHORITY	
			(PCT Rule 43bis.1)	
		Date of mailing (day/month/year)		
Applicant's or agent's file reference		FOR FURTHER A	ACTION	
FP05-0013-00		TORT GRUNDA	See paragraph 2 below	
International application No.	International filing date (day/month/year)	Priority date (day/month/year)	
PCT/JP2005/005552 International Patent Classification (IPC) or both	25.03.2005		30.03.2004	
Applicant HAMAMATSU PHOTONICS K	K.			
1. This opinion contains indications relating to the following items: Box No. I Basis of the opinion				
3. For further details, see notes to Form P	CT/ISA/220.			
Name and mailing address of the ISA/JP Facsimile No.		Authorized officer Telephone No.		

Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2005/005552

Box	No. I	Basis of this opinion
1.	With filed	regard to the language, this opinion has been established on the basis of the international application in the language in which it was, unless otherwise indicated under this item.
		This opinion has been established on the basis of a translation from the original language into the following language
	-	which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)).
2.	With	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed nation, this opinion has been established on the basis of:
	a.	type of material
		a sequence listing
		table(s) related to the sequence listing
	b.	format of material
		in written format
		in computer readable form
,	c.	time of filing/furnishing
		contained in the international application as filed.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority for the purposes of search.
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Addi	itional comments:
		•
		•

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2005/005552

Box				ale 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; oporting such statement	
1.	Statement				
	Novelty (N	(1)	Claims	1-21	YES
			Claims		МО
	Inventive st	tep (IS)	Claims		YES
			Claims	1-21	МО
	Industrial a	applicability (IA)	Claims	1-21	YES
			Claims		NO
			-		

2. Citations and explanations:

Document 1: WO 2002/022301 A1 (Hamamatsu Photonics K.K.), 21 March 2002, page 99, line 6 to page 106, line 1; Figs. 89-99 & US 2004/2199 A1 & EP 1338371 A1

The invention described in document 1, wherein among a plurality of modified areas, modified areas nearest the surface are prevented from forming on a position 5-15 μ m or [(thickness of substrate) x 0.1] μ m - [20 + (thickness of substrate) x 0.1] μ m from the surface, is not found to be an exceptional matter.